

# Ordering Procedures for Photographic Enlargement Products— NAPP, NHAP, and Custom

## National Aerial Photography Program

Established in 1987, the National Aerial Photography Program (NAPP) collects aerial photographs of the 48 conterminous States on a 5-year cycle.

Copies of NAPP images are available in black-and-white and (or) color-infrared film at 1:40,000 scale.

Figure 1 shows NAPP paper-print sizes and their corresponding scales for standard enlargements.

## National High Altitude Photography

The National High Altitude Photography (NHAP) program, in operation from 1980-89, and coordinated by the U.S. Geological Survey, was an interagency project to

eliminate duplicate photography in various Government programs.

NHAP copies can be obtained in either black and white or color infrared. The black-and-white film was acquired at 1:80,000 scale and the color-infrared at 1:58,000 scale.

Figure 2 shows NHAP paper-print sizes and their corresponding scales for standard enlargements.

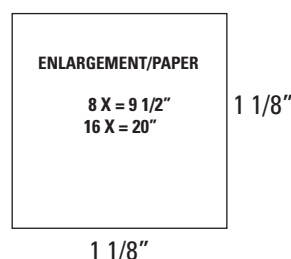
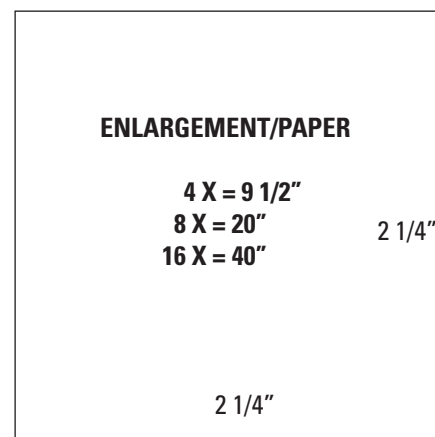
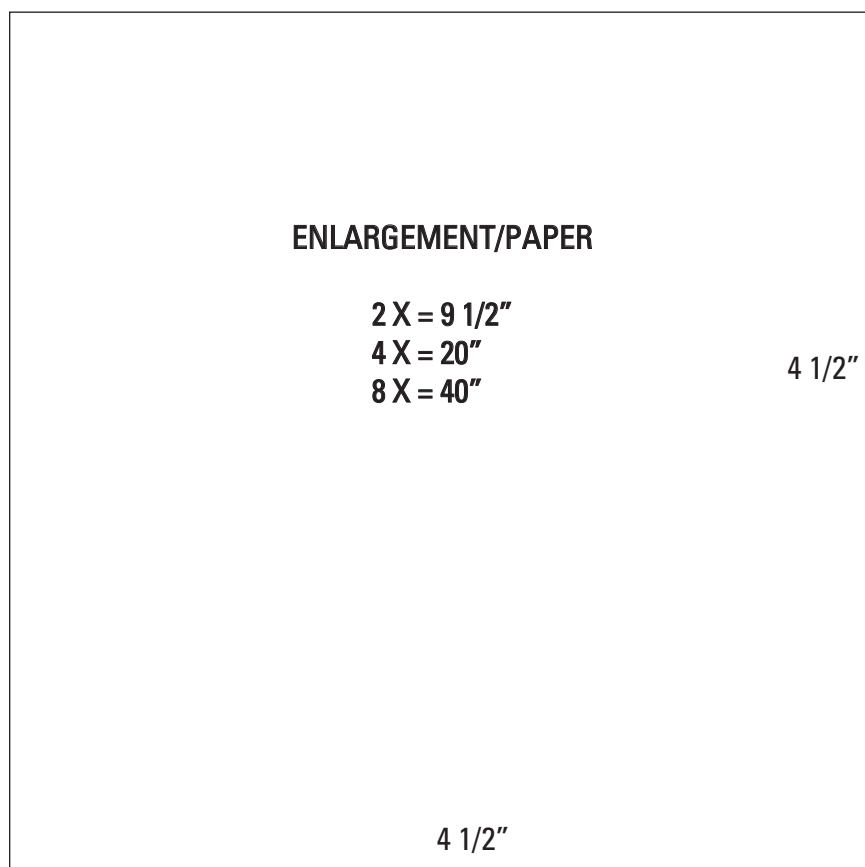
Paper Prints of NAPP Black-and-White and Color-Infrared Photographs				
Print size (inches)	Black-and-white scale	Color-infrared scale	Black and white 1 inch represents approximately:	Color infrared 1 inch represents approximately:
9 x 9	1:40,000	1:40,000	3,333 feet	3,333 feet
18 x 18	1:20,000	1:20,000	1,666 feet	1,666 feet
36 x 36	1:10,000	1:10,000	833 feet	833 feet

Figure 1. NAPP paper-print sizes and their corresponding scales for standard enlargements.\*

Paper Prints of NHAP Black-and-White and Color-Infrared Photographs				
Print size (inches)	Black-and-white scale	Color-infrared scale	Black and white 1 inch represents approximately:	Color infrared 1 inch represents approximately:
9 x 9	1:80,000	1:58,000	6,666 feet	4,833 feet
18 x 18	1:40,000	1:29,000	3,333 feet	2,416 feet
36 x 36	1:20,000	1:14,500	1,666 feet	1,208 feet

Figure 2. NHAP paper-print sizes and their corresponding scales for standard enlargements.\*

\*Also available at a scale of 1:24,000 (1 inch=2,000 feet), plus or minus 5 percent, unless the customer provides an exact enlargement factor. Print size will vary according to the scale of the NAPP or NHAP photographs.



## Custom Enlargements

The U.S. Geological Survey (USGS) has established new ordering procedures for custom enlargement products.

### Procedures

1. Order the 9" contact print to cover your area of interest, and establish the mode of payment for your entire order. For NAPP or NHAP custom enlargement orders only, you can select a corner quadrant (upper right, upper left, lower right, or lower left) of a scene without ordering a contact print.
2. The contact prints and the custom enlargement template (back) will then be shipped to you.
3. Select one of the templates, shown on the back, that covers your area of interest, cut out or measure the size of the template, and outline the area of photographic interest on

the contact print with a marker or tape. The area should be parallel with the sides of the contact print. Select the enlargement factor for print size and return the annotated print to the Earth Science Information Center where the order was originally placed.

4. When the annotated contact prints are received, your order for custom enlargement products will be placed. In addition to the price of the paper print, a setup fee of \$25 per frame will be charged for each custom enlargement.
5. After your enlargements are completed, they will be shipped to you, along with your original contact prints.
6. Priority processing of your custom enlargement order is available at three times the cost of the custom enlargement product and the setup fee.

The easiest way to order a custom enlargement of an aerial photographic product may be to contact a USGS Business Partner for photographic products. A list of these businesses can be found on the World Wide Web at [edcwww.cr.usgs.gov/buspartners/aerial/currentpart.html](http://edcwww.cr.usgs.gov/buspartners/aerial/currentpart.html).

### Information

For information on other USGS products and services, call 1-888-ASK-USGS, use the Ask.USGS fax service, which is available 24 hours a day at 703-648-4888, or visit the general interest publications Web site on mapping, geography, and related topics at [mac.usgs.gov/mac/isb/pubs/pubslists/](http://mac.usgs.gov/mac/isb/pubs/pubslists/).

For additional information, visit the [ask.usgs.gov](http://ask.usgs.gov) Web site or the USGS home page at [www.usgs.gov](http://www.usgs.gov).